

In the Claims

The claims have been amended as follows:

1 Claim 1-7 (canceled)

1 Claim 8 (previously presented) A sheet comprising activated, carbonized fibrillated
2 lyocell fibers and a microbiological interception enhancing agent, wherein prior to
3 carbonization said fibrillated lyocell fibers have a Canadian Standard Freeness of less
4 than about 100 and a fiber diameter of less than or equal to about 400nm, said sheet
5 carbonized at a temperature of less than about 600°C, said microbiological interception
6 enhancing agent comprising a biologically active metal precipitated with a counter ion of
7 a cationic material that is adsorbed on at least a portion of said fibers to form a metal
8 colloidal precipitate complex on a portion of a surface of at least some of said activated,
9 carbonized fibers

1 Claim 9 (original) A sheet of claim 8 wherein said sheet is further heated to form an
2 activated carbon sheet having a BET surface area of greater than about 800 m²/g.

1 Claim 10 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers have a Canadian
2 Standard Freeness of less than about 45 or a fiber diameter of less than about 250nm.

1 Claim 11 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers have a Canadian
2 Standard Freeness of less than about 0 or a fiber diameter of less than about 250nm.

1 Claim 12-13 (canceled)

1 Claim 14 (withdrawn) A sheet of claim 8 further including active agents captured therein.

1 Claim 15 (withdrawn) A sheet of claim 14 wherein the active agents comprise metals,
2 metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates, ceramics,
3 zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium sulfate, titanium
4 dioxide, magnesium hydroxide, manganese oxides, magnesia, perlite, talc, clay, bone
5 char, pitch, calcium hydroxide, calcium salts, or combinations thereof.

1 Claim 16 (canceled)

1 Claim 17 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers are admixed with
2 active agents, and made into a paper prior to carbonization.

1 Claim 18 (withdrawn) A sheet of claim 8 wherein said sheet is used as an electrode.

1 Claim 19 (withdrawn) A sheet of claim 8 further including a catalyst or a catalyst
2 support.

1 Claim 20 (original) A filter medium comprising the sheet of claim 8.

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1 Claim 21 (previously presented) A sheet comprising activated, carbonized fibrillated
2 lyocell fibers and a microbiological interception enhancing agent comprising a
3 biologically active metal precipitated with a counter ion of a cationic material on at least
4 a portion of said fibers to form a metal colloidal complex on a portion of a surface of at
5 least some of said activated, carbonized fibrillated lyocell fibers, said fibrillated lyocell
6 fibers having a BET surface area of greater than about 800m²/g, wherein prior to
7 carbonization and activation, the fibrillated fibers have a Canadian Standard Freeness of
8 less than about 100 or a fiber diameter of less than or equal to about 400nm and wherein
9 activation occurs in less than or equal to about 30 minutes at a temperature greater than
10 about 875°C in an oxidizing atmosphere.

1 Claim 22 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers have a Canadian
2 Standard Freeness of less than about 45 or a fiber diameter of less than about 250nm.

1 Claim 23 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers have a Canadian
2 Standard Freeness of less than about 0 or a fiber diameter of less than about 250nm.

1 Claim 24 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers comprise
2 polymers, liquid crystal polymers, engineered resins, cellulose, rayon, ramie, wool, silk,
3 or combinations thereof.

1 Claim 25 (canceled)

1 Claim 26 (withdrawn) A sheet of claim 21 further including active agents captured
2 therein.

1 Claim 27 (withdrawn) A sheet of claim 26 wherein the active agents comprise metals,
2 metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates, ceramics,
3 zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium sulfate, titanium
4 dioxide, magnesium hydroxide, manganese oxides, magnesia, perlite, talc, clay, bone char,
5 pitch, calcium hydroxide, calcium salts, or combinations thereof.

1 Claim 28 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers are admixed with
2 active agents, and made into a paper prior to carbonization and activation.

1 Claim 29 (withdrawn) A sheet of claim 21 further including a catalyst or a catalyst
2 support.

1 Claim 30 (canceled)

1 Claim 31 (withdrawn) A filter medium comprising the sheet of claim 21.

1 Claim 32-84 (canceled)

1 Claim 85 (previously presented) A sheet comprising activated, carbonized fibrillated
2 fibers having a microbiological interception enhancing agent on at least a portion of at
3 least some of said fibrillated fibers, said microbiological interception enhancing agent

4 comprising a biologically active metal precipitated with a counter ion of a cationic
5 material that is adsorbed on said at least portion of said fibrillated fibers to form a metal
6 colloidal complex on a portion of a surface of at least some of said activated, carbonized
7 fibrillated fibers.

1 Claim 86 (previously presented) The sheet of claim 85 wherein prior to carbonization
2 said fibrillated fibers have a Canadian Standard Freeness of less than about 100.

1 Claim 87 (previously presented) The sheet of claim 85 wherein prior to carbonization
2 said fibrillated fibers have a Canadian Standard Freeness of less than about 45.

1 Claim 88 (previously presented) The sheet of claim 85 wherein prior to carbonization
2 said fibrillated fibers have a Canadian Standard Freeness of less than about 0.

1 Claim 89 (previously presented) The sheet of claim 85 wherein prior to carbonization
2 said fibrillated fibers have a fiber diameter of less than about 250nm.

1 Claim 90 (withdrawn) The sheet of claim 85 further including active agents captured
2 therein.

1 Claim 91 (withdrawn) The sheet of claim 85 further including a catalyst or a catalyst
2 support.

1 Claim 92 (previously presented) The sheet of claim 85 wherein said cationic material is
2 selected from the group consisting of a colloid, a charged molecule, and a linear or
3 branched polymer having positively charged atoms along a length of said polymer chain
4 having said counter ion associated therewith.

1 Claim 93-100 (canceled)

1 Claim 101 (previously presented) A sheet comprising activated, carbonized fibrillated
2 lyocell fibers having a microbiological interception enhancing agent on at least a portion
3 of at least some of said fibrillated fibers, said microbiological interception enhancing
4 agent comprising a biologically active metal precipitated with a counter ion of a cationic
5 material that is adsorbed on said at least portion of said fibrillated fibers to form a metal
6 colloidal complex on a portion of a surface of at least some of said activated, carbonized
7 fibrillated fibers.

1 Claim 102 (previously presented) The sheet of claim 101 wherein prior to carbonization
2 said fibrillated fibers have a Canadian Standard Freeness of less than about 100.

1 Claim 103 (previously presented) The sheet of claim 101 wherein prior to carbonization
2 said fibrillated fibers have a Canadian Standard Freeness of less than about 45.

1 Claim 104 (previously presented) The sheet of claim 101 wherein prior to carbonization
2 said fibrillated fibers have a Canadian Standard Freeness of less than about 0.

1 Claim 105 (previously presented) The sheet of claim 101 wherein prior to carbonization
2 said fibrillated fibers have a fiber diameter of less than about 250nm.

1 Claim 106 (withdrawn) The sheet of claim 101 further including active agents captured
2 therein.

1 Claim 107 (withdrawn) The sheet of claim 101 further including a catalyst or a catalyst
2 support.

1 Claim 108 (Previously Presented) The sheet of claim 101 wherein said cationic material
2 is selected from the group consisting of a colloid, a charged molecule, and a linear or
3 branched polymer having positively charged atoms along a length of said polymer chain
4 having said counter ion associated therewith.